



## GREETINGS FROM IUPUI

March 2011

Please join us April 8 for IUPUI's third annual **Research Day**.

This is an **Open House**, so we are inviting everyone—faculty, staff, and students; academic, industrial, and governmental partners; recipients of this monthly letter; and the broader community—to come to campus and find out more about the interesting and varied kinds of research we are doing.

**All events take place in the IUPUI Campus Center Room 450, so you are free to browse the poster sessions or drop in on the discussions and presentations at your leisure.**

**Dr. S. James Gates, Jr.** is the keynote speaker. He is the John S. Toll Professor of Physics at the University of Maryland, College Park, and a member of President Obama's Council of Advisors on Science and Technology. The title of his Research Frontiers Distinguished Lecture is **"A Quincunx Point: An Overlap of Art, Mathematics, Music, Science, and Perhaps, Theology."** It begins at 1 pm.

Other **Research Day** events feature undergraduate, graduate, and professional **student poster presentations** from 9 am – 11 am in the morning, coordinated by the Center for Research and Learning. The afternoon events, beginning at 2 pm and following Dr. Gates's presentation, will include the presentation of the **Research Frontiers Trailblazer Awards**, faculty research poster exhibitions highlighting the groundbreaking research conducted on the IUPUI campus, a **community showcase** coordinated by the **IUPUI Solution Center** and **Translating Research into Practice** initiative, and a **networking session**.

All 2011 IUPUI Research Day events are **FREE** and **open to the public**, but please **RSVP** with your attendance plans by **sending an email** with a subject line of **Research Day RSVP** to [ovcr@iupui.edu](mailto:ovcr@iupui.edu). If it is not in your signature block, please include your name, title, school, and department or business.

For more information, please visit the **IUPUI Research Day** website at <http://research.iupui.edu/events/researchday2011/>.

**And speaking of research, here is a sampling of recent student and faculty projects that have made the news.**

**Motorsports engineering** students contributed to a new design for the windshield and shroud for top-fuel dragsters. The design prevents fire from moving into the driver's compartment in the event of an engine explosion. The configuration is a product of the relationship formed between the IUPUI motorsports engineering program and **Don Schumacher Racing**.

**Hiroki Yokota**, professor of biomedical engineering, has been informed that his \$2.6 million research proposal for developing a novel synthetic drug therapy to treat osteoporosis and advance fracture healing will be funded by the U.S. Army.

Associate Professor of Biology **Anna Malkova** recently had her laboratory's work on DNA repair and synthesis featured as a "research highlight" in the February issue of Nature. Her team focuses on BIRs (break-induced replication) in chromosomes, which will help scientists understand better how mutations contribute to cancer.

**Eric Wright**, director of the **IU Center for Health Policy**, has garnered media attention because of his research and recommendations for moving forward on health reform in Indiana. He proposes a **Hoosier Health Insurance Exchange** to be governed and managed by a new quasi-independent state agency called the **Hoosier Health Commission**. The proposal comes in response to the new federal law, which requires that each state establish an American Health Benefit Exchange to help people purchase health insurance by Jan. 1, 2014. The proposal calls for the commission to also be charged with developing new statewide policy to increase the efficiency of the health care delivery system long-term and with broader reach to improve Hoosier's health.

**John Goodpaster**, who is on the faculty of our **Forensic and Investigative Sciences Program**, just published his findings on the potential for deleterious health effects of dissolvable tobacco products (which have been test-marketed in the Indianapolis area as an alternative to cigarettes). They appear in the ***Journal of Agricultural and Food Chemistry***. His research also shows that the candy-like appearance and taste of the product pose the threat of nicotine poisoning for children.

Join us for more news of our faculty's work on April 8 at IUPUI Research Day.

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**CHANCELLOR CHARLES R. BANTZ**

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